

INTELLECTUAL PROPERTY LAW
KNOBBE, MARTENS, CAMPBELL & BEAR
 A LIMITED LIABILITY PARTNERSHIP INCLUDING
 PROFESSIONAL CORPORATIONS

09/445375

PATENT, TRADEMARK AND COPYRIGHT CAUSES

620 NEWPORT CENTER DRIVE

SIXTEENTH FLOOR

NEWPORT BEACH, CALIFORNIA 92660-8016

(949) 760-0404

FAX (949) 760-9502

INTERNET: WWW.KMOB.COM

RICHARD E. CAMPBELL
MARK M. ABUMERI

JON W. GURKA

KATHERINE W. WHITE

ERIC M. NELSON

ALEXANDER C. CHEN

MARK R. BENEDICT, PH.D.

PAUL N. CONOVER

ROBERT J. ROBY

SABING H. LEE

KAROLINE A. DELANEY

JOHN W. HOLCOMB

JAMES J. MULLEN, III, PH.D.

JOSEPH S. CIANFRANI

JOSEPH M. REISMAN, PH.D.

WILLIAM R. ZIMMERMAN

GLEN L. NUTTALL

ERIC S. FURMAN, PH.D.

DO TE KIM

TIRZAH ABE LOWE

GEOFFREY Y. IIDA

ALEXANDER S. FRANCO

SANJIVPAL S. GILL

SUSAN M. MOSS

GUY PERRY

JAMES W. HILL, M.D.

ROSE M. THIESSEN, PH.D.

MICHAEL L. FULLER

MICHAEL A. GUILIANA

OF COUNSEL
JERRY R. SEILERJAPANESE PATENT ATTY
KATSUHIRO ARAI**EUROPEAN PATENT ATTY
MARTIN HELLEBRANDTKOREAN PATENT ATTY
MINCHEOL KIMSCIENTISTS & ENGINEERS
(NON-LAWYERS)

RAYMOND J. SALENIKS**
 NEIL S. BARTFELD, PH.D.**
 DANIEL E. JOHNSON, PH.D.**
 JEFFERY KOEPKE, PH.D.
 KHURRAM RAHMAN, PH.D.
 JENNIFER A. HAYNES, PH.D.
 BRENDAN P. O'NEILL, PH.D.
 THOMAS Y. NAGATA
 ALAN C. GORDON
 PABLO S. HUERTA
 LINDA H. LIU
 MICHAEL J. HOLIHAN
 YASHWANT VAISHNAV, PH.D.
 MEGUMI TANAKA

LOUIS J. KNOBBE*
 DON W. MARTENS*
 GORDON H. OLSON*
 JAMES B. BEAR
 DARRELL L. OLSON*
 WILLIAM B. BUNKER
 WILLIAM H. NIEMAN
 LOWELL ANDERSON
 ARTHUR S. ROSE
 JAMES F. LESNIAK
 NED A. ISRAELSEN
 DREW S. HAMILTON
 JERRY T. SEWELL
 JOHN B. SGANGA, JR.
 EDWARD A. SCHLATTER
 GERARD VON HOFFMANN
 JOSEPH R. RE
 CATHERINE J. HOLLAND
 JOHN M. CARSON
 KAREN VOGEL WEIL
 ANDREW H. SIMPSON
 JEFFREY L. VAN HOOSEAR
 DANIEL E. ALTMAN
 ERNEST A. BEUTLER
 MARGUERITE L. GUNN
 STEPHEN C. JENSEN
 VITO A. CANUSO III
 WILLIAM H. SHREVE
 LYNDA J. ZADRA-SYMES†

STEVEN J. NATAUPSKY
 PAUL A. STEWART
 JOSEPH F. JENNINGS
 CRAIG S. SUMMERS
 ANNEMARIE KAISER
 BRENTON R. BABCOCK
 THOMAS F. SNEGAL, JR.
 MICHAEL H. TRENHOLM
 DIANE M. REED
 JONATHAN A. BARNEY
 RONALD J. SCHOENBAUM
 JOHN R. KING
 FREDERICK S. BERRETTA
 NANCY WAYS VENSKO
 JOHN P. GIEZENTANNER
 ADEEL S. AKHTAR
 GINGER R. DREGER
 THOMAS R. ARNO
 DAVID N. WEISS
 DANIEL HART, PH.D.
 DOUGLAS G. MUEHLHAUSER
 LORI LEE YAMATO
 STEPHEN M. LOBBIN
 ROBERT F. GAZDZINSKI
 STACEY R. HALPERN
 MICHAEL K. FRIEDLAND
 DALE C. HUNT, PH.D.
 LEE W. HENDERSON, PH.D.
 DEBORAH S. SHEPHERD

Assistant Commissioner for Patents
 Washington, D.C. 20231

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Attorney Docket No. : DYOU23.001APC

Applicants : Kingsman et al.

For : VECTOR

Attorney : Daniel E. Altman

"Express Mail"

Mailing Label No. : EL207477546

Date of Deposit : December 6, 1999

I hereby certify that the accompanying

Transmittal in Duplicate; Preliminary Amendment in 9 pages with Sequence
 Listing in 9 pages; Int'l. Application as Published; IPER; Int'l. Search Report;
 Computer Disk; Check for Filing Fee; Return Prepaid Postcard

are being deposited with the United States Postal Service "Express Mail Post Office to
 Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the
 Assistant Commissioner for Patents, Washington, D.C. 20231.


 Don King

H:\DOCS\UAHV\UAH-1716.DOC
 120399